MMM MMM MMM MMM MMM MMM	000000000 000000000 000000000	NNN NNN NNN NNN		00000000 00000000 00000000	RRRRRRRRRRR RRRRRRRRRRR RRRRRRRRRRRR
нимими римими чимими мимими	000 000	NNN NNN	111	000 000	RRR RRR
ммммм ммммм	000 000	NNN NNN	ŤŤŤ	000 000	RRR RRR
MMM MMM MMM	000 000	NNNNN NNN	III	000 000	RRR RRR
MMM MMM MMM	000 000	NNNNN NNN	III	000 000	RRR RRR
MMM MMM MMM	000 000	NNNNNN NNN	TTT	000 000	RRR RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR
MMM MMM	000 000	NNN NNN NNN	ttt	000 000	RRRRRRRRRRRR
MMM MMM	000 000	NNN NNN NNN	TTT	000 000	RRRRRRRRRRRR
MMM MMM	000 000	NNN NNNNNN	III	000 000	RRR RRR
MMM MMM	000 000	NNN NNNNNN	111	000 000	RRR RRR
MMM MMM	000 000	NNN NNNNN	ttt	000 000	RRR RRR
MMM MMM	000 000	NNN NNN	ŤŤŤ	000 000	RRR RRR
MMM MMM	000 000	NNN NNN	TTT	000 000	RRR RRR
MMM MMM	000000000	NNN NNN	III	000000000	RRR RRR
MMM MMM	00000000	NNN NNN	III	00000000	RRR RRR
1001	0000000	initial little	111	00000000	nnn nnn

HH HHHHHHHHH	000000 00 00 00 00	MM MM MMM MMM MMMM MMM MM	000000 00	GGGGGGGG GGGGGGGG GG GG GG GG GG GG GG
		\$		

- MONITOR Homogeneous Class STATS Rtn 16-SEP-1984 02:05:50 VAX/VMS Macro V04-00 HOMOG Table of contents Page 0 DECLARATIONS FILL_HOMOG_STATS - Fill STATS buffs for homogs (<u>2</u>) (<u>3</u>) 82 96

HOI

V03-001 TLC1061

V03-001 TLC1060

TLC1061 Thomas L. Cafarella 18-Mar Identify dual-path disks by allocation class.

Thomas L. Cafarella Make multi-file summary work for homogeneous classes.

18-Mar-1984

12-Mar-1984

11:00

11:00

HO

Sy

HO

```
000 58
000 60;
000 61;
000 62;
000 63;
000 64;
000 65;
000 66;
000 67;
000 68;
ALLOC Macro - Dynamically allocate space on the stack.
000 69;
000 70
000 71
000 72
000 73
000 74
000 75
000 75
000 76
000 76
000 77
000 77
000 78
000 77
000 78
000 79
000 80
```

HOIPS

PSI

MOI \$\$I

Phi Coi Pai Syi Pai Syi Psi Cri Asi

Thi 154 Thi 444 16

Mai -\$ -\$ 70

The

MA

```
- MONITOR Homogeneous Class STATS Rtn 16-SEP-1984 02:05:50 FILL_HOMOG_STATS - Fill STATS buffs for 5-SEP-1984 02:00:46
                                                                                                                                 VAX/VMS Macro V04-00
[MONTOR.SRC]HOMOG.MAR;1
                                                 .SBTTL FILL HOMOG STATS - FILL STATS buffs for homogs .PSECT $$MONCODE, NOWRT, EXE
                        967
978
999
1001
1003
1007
1008
1009
  00000000
                                     FUNCTIONAL DESCRIPTION:
                                                 FILL_HOMOG_STATS
                                                This routine fills all the STATS buffers for the class indicated by CDBPTR. The SCB (STATS Control Block) Table and the Element ID Table are also updated. These tables maintain information about the elements of this homogeneous class. An "element" is, for example, a particular disk in the DISK class. There is a STATS buffer for each item defined for the class. An "item" is, for example, operation count for the DISK class.
                        114
                                     INPUTS:
                                                   4(AP) - address of CURRENT collection buffer
                                                   8(AP) - address of PREVIOUS collection buffer
                        1212345678901234567890141
                                     IMPLICIT INPUTS:
                                    OUTPUTS:
                                                 All STATS buffers for this homogeneous class filled.
                                    IMPLICIT OUTPUTS:
                                                 CDB$L_ECOUNT and CDX$W_CUMELCT established for the current interval. Element ID Table and SCB (STATS Control Block) updated.
                                    ROUTINE VALUE:
                                                RO = SS$_NORMAL
                                    SIDE EFFECTS:
                                                 none
```

Page

Page 5 (5)

					OFFC	0000	143	.ENTRY	FILL_HO	MOG_STATS, ^M <r2,r3,r4,r< th=""><th>5,R6,R7,R8,R9,R10,R11></th></r2,r3,r4,r<>	5,R6,R7,R8,R9,R10,R11>
56	(57 58	00000 32 04	'EF A6 AC	D0 D0	0002 0009 0000	146 147 148		MOVL MOVL MOVL	CDBPTR,R6 CDB\$A_CDX(R6),R7 4(AP),R8 TMP\$K_SIZE,R0,R9	: Load CDB addr : Load CDX addr : Load CURRENT coll buff addr
	18	A6	0A	A7	30	001E	150		MOVZWL	CDXSW_CUMELCT(R7), - CDB\$L_ECOUNT(R6)	: Allocate local temp storage : Load element count for display
			58 69	0D 68	00	0023 0026 0029	152		ADDL2 MOVL	#MNR TLSSK HSIZE,R8 MNR HOMSL ELTCT(R8), - IMPSL_DBCT(R9)	: Point to CURR coll buff prologue : Load current buffer data block count
			0	03 08A	12	0029 0028 002F	155 156 157	58:	BNEQ BRW	5\$ UPDATE_SCB_FLAGS	; Br if have some ; Else skip past ID Table update
	04	A9	58 20	08 A6	C0 30	002E 0031 0036	158 159 160		ADDL2 MOVZWL	WMNR HOMSK PSIZE, R8 CDBSD_BLKLEN(R6), - TMPSL_DBLEN(R9)	: Point to first data block : Get data block length
	80	A9	OA	A7	30	0036 0038	161		MOVZWL	CDXSW CUMELCT(R7)	; Load number of ID Table elements
		5A	09	A7	9A	003B 003F	162 163 164		MOVZBL	TMP\$L_ELIDCT(R9) CDX\$B_ELIDLEN(R7),R10	; Get element ID length

Page

(6)

54 03 10 B745 Loop through all data blocks in the CURRENT collection buffer. For each element (represented by a data block), try to find a match in the element ID table. The ID table represents elements which have been monitored for this request. On the first time through this routine, the table will be empty. The element ID table has several other associated tables, namely the STATS control block (SCB) table, and all the transformation buffers (STATS, MIN, MAX, SUM, PCSTATS, PCMIN, PCMAX and PCSUM). Each of these tables/buffers has one element for each monitored element (i.e., disk for the DISK class). The current number of elements in each of the tables is represented by CDXSW_CUMELCT.

		00	A9	04	003F 0042	180 181 182	105:	CLRL	TMP\$L_DBIDX(R9)	;	Clear data block index
5	В	0C 10	A7 A9 54	00 94 04	0042 0046 0049	182 183 184	100.	MOVL CLRB CLRL	CDX\$A_ELIDTABLE(R7),R11 TMP\$B_FOUND(R9) R4		Load Element ID Table addr Clear "element found" indicator Clear element ID table index
5	5	08	A9	D4 D0 13	004B	185		MOVL	TMP\$L_ELIDCT(R9),R5	:	Load number of elements in ID table Br if table is empty
03 4	57 B A6	7	5A 06	DO E1	004F 0051 0054	186 187 188 189		MOVL BBC	40\$ R10,R7 #CDB\$V_DISKAC, - CDB\$L_FLAGS(R6),20\$		Borrow R7 to hold elt id length Branch if no allocation class in name
		00	AF	30	0059	190	20\$:	BSBW	SHORTEN_DISKNAM	:	Shorten element name for DISK
68	68	3	57 06 01	29	005C 0060 0062	192	200.	CMPC3 BNEQU MOVB	R7 (R8), (R11)	:	Match current element in table ? Br if not
1	0 A9		01	90	0066	194 195 196	30\$:	MOVB BRB	30\$ #1, TMP\$B_FOUND(R9) 40\$:	Yes indicate so and terminate loop
E	58 54		5A 55	CO F2	0068 0068 006B 006F 006F	197 198 199 200		ADDL2 AOBLSS	R10,R11 R5,R4,20\$:	Point to next element ID Loop through element ID table

At this point the entire element ID table has been scanned for a match to the current element in the CURRENT collection buffer.

006F 205 40\$:
7 32 A6 D0 006F 206 MOVL CDB\$A_CDX(R6),R7 ; Re-load CDX addr
06 10 A9 E8 0073 207 BLBS TMP\$B_FOUND(R9),50\$; Branch if element found in table
4 0A A7 3C 0077 208 MOVZWL CDX\$W_CUMELCT(R7),R4 ; Get next available element index

NOTE -- if R4 is greater than or equal to MAXELTS, issue warning msg and simply branch to look at next coll buff data block.

BSBB CHECK_TAB_SPACE ; Check if table space exhausted ; NOTE -- if so, MONITOR request ; ... is terminated

MULL3 #SCB\$K_SIZE.R4.R5 ; Get SCB offset from index MOVAB aCDX\$A_SCBTABLE(R7)[R5],R5 ; Get SCB address

MF

- MONITOR Homogeneous Class STATS Rtn 16-SEP-1984 02:05:50 VAX/VMS Macro V04-00 FILL_HOMOG_STATS - Fill STATS buffs for 5-SEP-1984 02:00:46 [MONTOR.SRC]HOMOG.MAR;1 Page (6) 223 224 225 226 60\$: ; Set "current" bit indicating this ; element in ID table was in CURR buff E2 00 BBSS #SCB\$V_CURRENT, -SCB\$B_FLAGS(R5),60\$

05 10 A9 E8 BLBS TMP\$B_FOUND(R9),70\$; Branch if element found in table

HOMOG V04-000

00 02 A5

v04-000				7111	NITOR Homogeneous _HOMOG_STATS - F1 008F 229: 008F 230: Ele				(7)
					008F 231 Add	ment in Cl a new ele	IRRENT buffer was NOT fement to the table.	ound in the element ID table.	
			0068	30	008F 233	BSBW	ADD_NEW_ELT	; Add elt to table	
			18	11	0092 236 0094 237 0094 238 : 0094 239 : Ele	BRB	80\$: NOTE several registers altered : Go look at next coll buff data block	
					0094 238 Ele	ment in Cl	IRRENT was found in the	element ID table.	
					0094 240 ; 0094 241 0094 242 70\$: 0094 243 0094 244				
	65	5B ₀	65 C A9	3C B0	0094 244 0097 245	MOVZWL	SCBSW_DBIDX(R5),R11 TMPSL_DBIDX(R9),SCBSW	; Get data block index for prev buff (_DBIDX(R5) ; Save curr index for next int	
	OF 02	2 A5	01	E1	0094 240 ; 0094 241 70\$: 0094 243 70\$: 0094 244 0097 245 0098 246 0098 247 00A0 248 00A0 250 ; 00A0 250 ; 00A0 251 ; Thi	BBC	#SCBSV_ACTIVE - SCBSB_FLAGS(R5),80\$; Done with this elt if not active	
					00A0 252; giv	s element en the ele a blocks i	is active. Call routing ment ID table index and FR to both CURRENT and PR	ne to actually fill the STATS buffers, and the addresses of this element's REVIOUS collection buffers.	
	58 58	15	4 A9 8 AC A24B	04 00 9E	00A0 253 dat 00A0 255 00A0 255 00A0 256 00A4 257 00A8 258 00AD 260 00AD 261 00AF 262 00AF 263	MULL2 MOVL MOVAB	TMP\$L_DBLEN(R9),R11 8(AP),R2 <mnr_cls\$k_hsize+mnr_< td=""><td>; Get data block offset from index ; Get ptr to PREVIOUS coll buff HOM\$K_PSIZE>(R2)[R11],R11 ; Compute PREVIOUS data block addr</td><td></td></mnr_cls\$k_hsize+mnr_<>	; Get data block offset from index ; Get ptr to PREVIOUS coll buff HOM\$K_PSIZE>(R2)[R11],R11 ; Compute PREVIOUS data block addr	
			60	10	00AF 262 00AF 263	8588	HOMOG_STATS	: Fill STATS buffs for all req'd items : NOTE this subrth destroys : RO-R3 and R5	
					00AF 265 80\$:				
	58	3 0	4 A9	CO	00AF 267	ADDL2	TMP\$L_DBLEN(R9),R8	; Point to next data block	
	8A 00	A9	69	F2	00AF 265 80\$: 00AF 266 00AF 267 00B3 268 00B3 269 00B8 270 00B8 271 00B8 272	AOBLSS	TMPSL_DBCT(R9), - TMPSL_DBIDX(R9),10\$; Loop once for each elt in CURR buff	

59 5A

OB 02 A9

OB 02 A9

00 02 A9

50

10 0A

Now go through entire SCB (STATS control block) Table, setting the SCB\$V_ACTIVE bit for all elements which have SCB\$V_CURRENT set. Clear all the SCB\$V_CURRENT bits as you go to prepare for the next collection interval. The underlying assumption is that all elements which were in the current collection are "active." For elements with SCB\$V_CURRENT not set, clear SCB\$V_ACTIVE and, in addition, zero the STATS buffers if SCB\$V_ACTIVE had been set (this is an element which has just gone inactive.) \$5678901234567890123456789012345678901 \$77777888888888889999999990000000000011 \$1567890123456789012345678901 UPDATE_SCB_FLAGS: DO 3C 13 D4 MOVZWL CDX\$A_SCBTABLE(R7),R9
CDX\$W_CUMELCT(R7),R10
FHS_RET Get SCB table addr A7 ... and no. of elements in it Quit if empty BEQL CLRL Init element number 105: #SCB\$V_CURRENT, SCB\$B_FLAGS(R9),20\$
#SCB\$V_ACTIVE, SCB\$B_FLAGS(R9),30\$ 00 E4 BBSC Br if current set Br if active clear E5 01 BBCC ... Always clear active Indicate "clear STATS buffers" Clear all STATS buffs for this elt 58 D4 10 CLRL BSBB HOMOG_STATS NOTE -- this subrth destroys ... RO-R3 and R5 05 11 0002 BRB 30\$ Go process next element 0004 20\$: #SCB\$V_ACTIVE, -SCB\$B_FLAGS(R9),30\$ 01 EZ 0004 BBSS : Set active 00D9 30\$: 00D9 C0 #SCB\$K_SIZE,R9 R10,R4,10\$ 00D9 ADDL2 Point to next SCB 00DC 00E0 00E0 AOBLSS : Loop back for next element FHS_RET: D0 04 00000000'8F MOVL #SS\$_NORMAL,RO Normal status 00E7 00E8 RET : Return

VO

MF VO

					00E8 3	CHECK_T	AB_SPACE	:	
54	0000	00000	* 8F	D1	00E8 3	6	CMPL	MMAXELTS,R4	; Have we run out of table space?
50	0000	00000	'8F	D1 14 D0 04	00F1 31	18 19 20 10\$:	BGTR MOVL RET	#MNRS_TABLEFULL,RO	Br if not Yes return error
				05	00F9 30	20 10\$: 21	RSB		; Return to caller
					00FA 3	ADD_NEW	_ELT:		; Add new element to ELIDTABLE
		0A	A7	B6	00FA 3	6	INCW	CDX\$W_CUMELCT(R7)	; Count the new element
	65	00	A9	B0	00FD 3	8	MOVW	TMP\$L_DBIDX(R9), - SCB\$W_DBIDX(R5) R10,R4	; Set data block index
OC B74	4	54 68	5A 5A	C4 28	0101 33 0104 33	30 31	MULL?	R10,R4 R10,(R8),aCDX\$A_ELIDTABL	: for use next interval : Compute offset to new table entry E(R7)[R4]
				05	010A 33 010A 33 010B 33	52 53 54	RSB		; Move new element ID into the table ; Return
					010B 33 010B 33 010B 33	55 56 SHORTEN 57	_DISKNAM:		; Possibly shorten DISK element name
03	4B	A6	07	E1	010B 33	8	BBC	#CDB\$V_DISKVN, -	Branch if no volte name in disk name
		57	00	c2	0110 34 0113 34	1	SUBL2	#CDB\$V_DISKVN, - CDB\$L_FLAGS(R6),10\$ #12,R7	Shorten length for compare so volume name will not be compared
		57	68 03 08	95 13 C2	0113 34 0115 34 0117 34	2 10\$: 3 4 5 6 7 20\$:	TSTB BEQL SUBL2	(R8) 20\$ #8,R7	Allocation class zero ? Br if so Shorten length for compare so node name will not be compared
				05	011A 34	7 20\$:	RSB		: Return

Go to common return

BRB

VO

HOMOG V04-000					FILL	NITOR Homog _HOMOG_STAT		Class ST L STATS	ATS Rtn 16-SEP-1984 03 buffs for 5-SEP-1984 03	2:05:50 VAX/VMS Macro V04-00 Page 12 2:00:46 [MONTOR.SRC]HOMOG.MAR;1 (12)
		52 53	58 5B	5A 5A 55	C1 C1 D4	0137 392 0137 393 013B 394 013F 395 0141 396	20\$:	ADDL3 ADDL3 CLRL	R10,R8,R2 R10,R11,R3 R5	; Point to 1st item in CURR data block ; Point to 1st item in PREV data block ; Init index to MBP pointers
						0141 397 0141 398 0141 399 0141 400		FFS inst	ruction to scan the item number is found, compute	number bits in the CDX e the STATS value for the item.
			51	10	00	0141 402 0144 403	700	MOVL	#CDX\$S_IBITS,R1	; Init bit field size ; Init start position
	59	67	51	50	EA	0146 405	30\$:	FFS	RO,R1,CDX\$W_IBITS(R7),	R9 ; Search for next item number
				0E	13	014B 407		BEQL	40\$	R9 contains item number if found Branch if none found
				11	10	0141 399 0141 400 0141 401 0141 402 0144 403 0146 404 0146 405 014B 406 014B 407 014B 407 014F 410 014F 412 0151 413		BSBB	STORE_STATS	; Go store stats for item in R9 ; NOTE this subrth destroys R10
				55	D6	014F 412		INCL	R5	; Index to next sequential MBP ptr
		50	59 10	01 50 EB	C1 C3 11	0151 414 0155 415 0159 416 015B 417	40\$:	ADDL3 SUBL3 BRB	#1,R9,R0 R0,#CDX\$S_IBITS,R1 30\$	Compute next starting
			0600	8F	8A 05	015B 418 015B 419 015F 420 0160 421 0160 423 0160 424		POPR RSB	#^M <r9,r10></r9,r10>	Restore regs
						0160 422	STORE_	STATS:		
	5A 0	000'8	2E E	11	9A C4 9E B1 12 D0 C3	0160 424 0160 425 0165 426 0168 427 0170 428 0176 429 0178 430 0170 431 0185 432 0185 433 0187 434		MOVZBL MULL2 MOVAB CMPW BNEQ MOVL SUBL3	WIDB\$K_ILENGTH,R10 PERFTABLE[R10],R10 IDB\$W_TYPE(R10),WCOUNT 10\$ aCDB\$A_BUFFERS(R6)[R5], (R3)[R9],(R2)[R9], -	R10 : Get IDB item number ; Compute index into IDB table ; Address of IDB for this item _TYPE ; Is this item a count? ; No assume level type ,R10 ; Get MBP pointer ; Compute STATS for this count item
				0D 05	18 11	0185 433 0187 434 0189 435	10\$:	BGEQ BRB	ambp\$a_stats(R10)[R4] 30\$ 20\$	<pre>; Br if difference OK ; Ctr was re-init'ed; treat like level</pre>

MOVL

MOVL

RSB

105:

20\$:

305:

.END

aCDB\$A_BUFFERS(R6)[R5],R10 ; Get MBP pointer

(R2)[R9], ambp\$a_STATS(R10)[R4]; Store STATS for this level item

; Return

5A 2E 8645

08 BA44

6249

DO

HOMOG Symbol table	- MONITOR	Homogeneous	Class STATS Rtn 1	6-SEP-1984 02:05:5 5-SEP-1984 02:00:4	0 VAX/VMS 6 [MONTOR	Macro V04-00 SRC]HOMOG.MAR;1	Page 13
ADD_NEW_ELT	000000FA = 00000000	R 02	CDB\$V_PERCENT CDB\$V_QFILLER CDB\$V_STD CDB\$V_SWAPBUF	= (0000000		
AVE_STAT	- 0000000		CDB\$V_STD	= (0000004		
CDB A_BUFFERS	= 00000002 = 00000032 = 0000004F = 0000001C = 00000026 = 00000026		CDB\$V_SWAPBUF	= (0000002 00000001 00000008 00000002 00000020 00000036		
CDB\$A CDX	= 00000028		CDB\$V_SYSCLS CDB\$V_UNIFORM	= (00000002		
CDBSATCHDHDR	= 0000004F		CDB\$V_WIDE	= (000000B		
CDRSA ITMSTR	= 00000004		CDB\$W_BLKLEN	= (00000020		
CDB\$A_FAOCTR CDB\$A_ITMSTR CDB\$A_POSTCOLL	= 00000026		CDBSV_UNIFORM CDBSV_WIDE CDBSW_BLKLEN CDBSW_DISPCTL CDBSW_QFLAGS CDBSW_QFLAGS_CUR CDBSW_QFLAGS_DEF	= (0000045		
CDB\$A_PRECOLL CDB\$A_SUMBUF	= 00000022 = 00000000		CDB\$W_QFLAGS_CUR	= (0000049		
CDB\$A_TITLE	= 00000010		COBPTR	- (140000	x 02	
CDB\$B FAOPRELEN	= 00000041 = 00000040 = 00000042		CDB EXT	= (70000000		
CDB\$B_FAOSEGLEN	= 00000040		CDXSA_DISPFAO	- (000002C		
CDB\$B_ST_CUR	= 00000044		CDX\$A_ELIDTABLE	= 1	1000000c		
CDB\$B ST CUR CDB\$B ST DEF CDB\$K SIZE CDB\$L BUFFERS	= 00000043		CDXSA_ILOOKTAB	= (0000024		
CDB\$L_BUFFERS	= 00000053 = 0000002A		CDX\$A SELIDTABLE	= (0000018		
CD9F ECOOM!	= 00000043 = 00000053 = 0000002A = 00000018 = 00000000		CDX\$A_ELIDTABLE CDX\$A_ILOOKTAB CDX\$A_SCBTABLE CDX\$A_SELIDTABLE CDX\$B_ELIDLEN CDX\$B_IDISCONSEC CDX\$B_IDISCT CDX\$B_IDISINDEX	= (00000018		
CDB\$L_FAOCTR CDB\$L_FLAGS	= 00000000 = 0000004B		CDX\$B_IDISCONSEC	= (0000007 00000006 00000008		
CDB\$L_ICOUNT	= 00000014		CDX\$B_IDISINDEX	= (8000008		
CDB\$L_MIN	= 00000038		COVOK DIFF	- 1	0000030		
CDB\$L_RANGE CDB\$L_SUMBUF	= 0000003C = 00000008		CDX\$L_DCOUNT CDX\$L_PREV_DCT	= (000001C		
CDB\$L_SUMBUF CDB\$M_CPU	= 00000002		CDXSL SELIDTARLE	= (0000014		
CDB\$M_CPU_COMB CDB\$M_CTPRES	= 00000008 = 0000001		CDX\$S CDB EXT CDX\$S IBITS CDX\$W CUMELCT CDX\$W IBITS	= (0000030		
CDB\$M DISABLE	= 00000200		CDXSW_CUMELCT	= (A000000		
CDB SM _DISKAC CDB SM _DISKVN	= 00000040		CDX\$W_IBITS	= (0000000		
CDRSM EXPLIC	= 00000080 = 00001000		CDXSW_IBITS_CUR	= (0000004		
CDB\$M_HOMOG	= 00000020		CDXSW_IBITS_DEF CHECK_TAB_SPACE CLASS_HDR COUNT_TYPE		0000002 00000E8 R	02	
CDBSM_KUNITS CDBSM_PERCENT	= 00000400 = 00000001		CLASS_HDR	= (0000000	02	
CDB\$M_STD	= 00000010		CUR STAT		0000001	V 02	
CDB\$M_SWAPBUF	= 00000002		DEF SA_DISP	= (000000C		
CDB\$M_SYSCLS CDB\$M_UNIFORM	= 00000100 = 00000004		DEFSATREC DEFSATSUMM	= (0000004		
CDBSM_WIDE	= 00000800 = 00000053		DEFSA SUMM DEFSL DISP DEFSL REC DEFSL SUMM DEFSS DEF DESC	= (0000014		
CDB\$S_CDB CDB\$S_FILLER	= 00000055		DEFSL_REC	= (0000000		
CDB\$S_FLAGS	= 00000013 = 00000004 = 0000000E		DEFSS_DEF_DESC	= (0000018		
CDB\$S_QFILLER	= 0000000E		DEF_DESC FHS_RET FILE_HDR	= (0000000	0.2	
CDB\$S_QFLAGS CDB\$V_CPU	= 00000002 = 00000001		FILE HDR	= (00000E0 R	02	
CDB\$V_CPU_COMB	= 00000003		FILL_HOMOG_STATS	(0000000 RG	02	
CDB\$V_CTPRES CDB\$V_DISABLE	= 00000000 = 00000009		HOMOG STATS HOM_CEASS_PRE	- (000011B R	02	
CDB\$V_DISKAC CDB\$V_DISKVN	= 00000006		IDB	= (0000000		
CDB\$V_DISKVN	= 00000007		IDB\$A_ADDR	= (0000000		
CDB\$V_EXPLIC CDB\$V_FILLER	= 00000000		IDBSA LNAME IDBSA SNAME	= (0000004		
CDB\$V_HOMOG	= 00000007 = 00000000 = 00000000 = 00000005 = 00000000A		IDBSA SNAME IDBSB FLAGS	= (0000010		
CDB\$V_KUNITS	= 0000000A		IDB\$K_ILENGTH	= (0000011		

MF

HOMOG Symbol table	- MONITOR Homogeneous	5-SEP-1984	02:05:50 VAX/VMS Macro V04-00 02:00:46 [MONTOR.SRC]HOMOG.MAR;1	Page 14 (12)
IDB\$M_PCNT IDB\$S_FILL_R IDB\$S_FLAGS IDB\$S_IDB IDB\$V_FILLER IDB\$V_PCNT IDB\$W_TSYPE MAXELTS MAXESTAT MBPSA_BUFFSA MBPSA_BUFFA MBPSA_BUFFFRA MBPSA_BUFFFRA MBPSA_BUFFFRA MBPSA_DATA MBPSA_DATA MBPSA_DATA MBPSA_DATA MBPSA_DATA MBPSA_DATA MBPSA_PCSTATS MBPSA_PCMAX MBPSA_PCSTATS MBPSA_PCS_MBPSA_PCS MBPSA_PCSTATS MBPSA_PCS_PCSTATS MBPSA_PCS_PCSTATS MBPSA_PCS_PCSTATS MBPSA_	= 00000001 = 00000001 = 000000001 = 000000000 = 0000000000000 = 0000000000	MNR HDR\$U - CLASSBITS MNR HDR\$O - CLASSBITS MNR HDR\$Q - BEGINNING MNR HDR\$Q - BEGINNING MNR HDR\$S - BEGINNING MNR HDR\$S - ENDING MNR HDR\$S - CLASSBITS MNR HDR\$S - CLASSBITS MNR HDR\$S - ENDING MNR HDR\$S - FILE HDR MNR HDR\$S - FILE ER MNR HDR\$S - REVOCLSBITS MNR HDR\$S - REVEVELS MNR HDR\$S - REVEVELS MNR HDR\$S - REVLEVELS MNR HDR\$S - REVLEVELS MNR HDR\$T - COMMENT MNR HDR\$T - COMMENT MNR HDR\$T - EVEL MNR HDR\$T - FILE MNR H	= 00000073 = 00000005 = 000000008 = 000000008 = 000000008 = 0000000000	

MF

HOMOG Symbol table	- MONITOR I	Homogeneous	Class STATS Rtn	16-SEP-1984 5-SEP-1984	02:05:50	VAX/VMS EMONTOR.	Macro V04-00 SRCJHOMOG.MAR;1	Page	15
NNR SYISL CPUTYPE NNR SYISL MPWHILIM NNR SYISS BOOTTIME NNR SYISS BOOTTIME NNR SYISS FILLER NNR SYISS FLAGS NNR SYISS NODENAME NNR SYISS NODENAME NNR SYISS TYPE NNR SYISS TODENAME NNR SYISV FILLER NNR SYISV FILLER NNR SYISV FLAGS NNR SYISW FLAGS NNA SA CUS NNA SA CUS	= 00000022 = 00000008 = 00000002A = 000000008 = 000000008 = 000000000000000000000000000000000000	X 02	QUAL\$L_MAX QUAL\$L_MIN QUAL\$L_PCENT QUAL\$L_FOPB QUAL\$L_TOPB QUAL\$L_TOPD QUAL\$L_TOPF QUAL\$L_VIEW QUAL\$L_VIEW QUAL\$S_QUALIFIER_DESC REG_PROC SCB\$B_FLAGS SCB\$S_FLAGS SCB\$C_FLAGS SCB\$C_FLAGS SCB\$C_FCC TOPD_PROC TOPD_PROC TOPD_PROC TOPD_PROC TOPD_PROC TOPD_PROC TOPD_PROC TOPD_PROC TOPD_PROC TOPD_FROC	R_DESC	= 0000 = 0000	00080 00078 00080 00088 00040 00090 00000 00000 00000 00000 00000 00000 0000	02		

MIV

VC

! Macro library statistics !

Macro library name Macros defined \$255\$DUA28:[MONTOR.OBJ]MONLIB.MLB;1 \$255\$DUA28:[SYS.OBJ]LIB.MLB;1 0 \$255\$DUA28:[SYSLIB]STARLET.MLB;2 TOTALS (all libraries)

327 GETS were required to define 7 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$: HOMOG/OBJ=OBJ\$: HOMOG MSRC\$: HOMOG/UPDATE=(ENH\$: HOMOG) + EXECML\$/LIB+LIB\$: MONLIB/LIB

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